



Chapter 5
TRIANGLES & CONGRUENCE
Cornwell Notes/Summary Sheet

Name: _____

Period: _____

*Turn this in on the day of the test.
This is an assignment grade.*

Lesson 5.1 – Big Ideas

- Classifying triangles by sides: equilateral, isosceles, & scalene triangles
- Classifying triangles by angles: acute, equiangular, right, & obtuse triangles
- Pythagorean Inequalities
- Triangle Side/Angle Theorems
- Triangle Inequality Theorem

Your Notes

Lesson 5.2 – Big Ideas

- Triangle Sum Theorem
- Triangle Exterior-Angle Theorem
- Isosceles Triangle Base Angles Theorem (& its Converse)

Your Notes

Lesson 5.3 – Big Ideas

- Congruent triangles
- Congruence statement
- Corresponding sides
- Corresponding angles
- Transformation rules

Your Notes

<p><u>Lesson 5.4 – Big Ideas</u></p> <ul style="list-style-type: none"> • SSS • SAS • ASA • AAS 	<p><u>Your Notes</u></p>
<p><u>Lesson 5.5 – Big Ideas</u></p> <ul style="list-style-type: none"> • Congruent triangle proofs • Overlapping triangles 	<p><u>Your Notes</u></p>
<p><u>Lesson 5.6 – Big Ideas</u></p> <ul style="list-style-type: none"> • HL Congruence Theorem • Altitudes of triangles • Medians of triangles 	<p><u>Your Notes</u></p>
<p><u>Lesson 5.7 – Big Ideas</u></p> <ul style="list-style-type: none"> • CPCTC • Circles in proofs • Auxiliary lines 	<p><u>Your Notes</u></p>
<p><u>Lesson 5.8 – Big Ideas</u></p> <ul style="list-style-type: none"> • Isosceles triangles • Isosceles triangle theorems 	<p><u>Your Notes</u></p>